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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/687,388	10/15/2003	Clint Edward Conrady	10006881-1	2110
22879	7590	06/06/2006	EXAMINER	
HEWLETT PACKARD COMPANY P O BOX 272400, 3404 E. HARMONY ROAD INTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400			COMAS, YAHVEH	
			ART UNIT	PAPER NUMBER
			2834	

DATE MAILED: 06/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/687,388

Applicant(s)

CONRADY ET AL.

Examiner

Yahveh Comas

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 7-12 and 14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 14 is/are allowed.
- 6) ☒ Claim(s) 7-9 is/are rejected.
- 7) ☒ Claim(s) 10-12 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

Applicant's arguments filed 3/13/2006 regarding claims 7-9 have been fully considered but they are not persuasive.

In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986). Applicant argument regarding Fujisaki not showing a housing that is one of the plurality of coaxial support element is not persuasive because this feature is provide by Fuji as show in fig 1 wherein the housing (17) containing an armature (4) and bearings (16) and is one of the plurality coaxial support elements. Therefore the rejection is sustained.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation

under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 7-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fite et al. U.S. 2003/0123767 A1 in view of Fuji JP Patent No. 04008143 A.

Fite discloses a plurality of redundant bearings, a plurality of coaxial support elements (1210, 1220, 1230), with at least one of said support elements rotatable about an axis of rotation, and an armature rotatably guided by said plurality of support elements to rotate about said axis of rotation; said bearings providing redundancy (1200) continue armature rotation in the event one bearing fails. A shaft guided by, and rotatable with respect to, each of said plurality of coaxial support elements about said axis, said shaft guiding said armature. A plurality of coaxial support elements further comprises inner and outer sleeves surrounding said shaft. A rotor element couple to said armature (see fig. 1). A plurality of redundant stators attached to one of said coaxial support elements, each of said stators (130 and 135) having current terminals to receive a current producing an electric field to induce said armature to rotate in response to a received current, at least one of said redundant stators being operable to induce said armature to rotate even if one stator fails (see fig 1). A blade (110) is coupled to and rotatable with the armature. Fite disclose the claimed invention except for said housing containing an armature and the bearing. However Fuji discloses the use of a motor having a plurality of support elements comprising a housing (1)

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containing an armature (4) and the bearing (16) in order to suppress the occurrence of turbulence.

Therefore, it would have been obvious to one having skill in the art at the time the invention was made to provide a plurality of support elements comprising a housing containing a armature and the bearing as disclosed by Fuji since that would had been desirable in order to suppress the occurrence of turbulence.

Allowable Subject Matter

Claims 10-12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 14 is allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Applicant teaches a computer apparatus, further comprising: a computer casing; a fan said computer casing, said fan comprising at least one fan blade; inner and outer coaxial sleeves supporting said at least one fan blade to enable it to rotate independent of the rotation of said inner and outer sleeves; a magnet connected to said fan blade; a motor winding opposed to and in a complementary position with respect to said magnet; and a fan housing having inner and outer portions, said outer portion adapted to guide said outer coaxial sleeve and said inner portion coupled to said motor winding; said fan blades rotating in response to said motor winding producing an electromotive force on said fan blades.

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Fuji (JP Patent No. 04008143 A) discloses a fan comprising at least one fan blade. However, the cited reference fail to individually disclose, or suggest when combined, a fan housing having inner and outer portions, said outer portion adapted to guide said outer coaxial sleeve and said inner portion coupled to said motor winding; said fan blades rotating in response to said motor winding producing an electromotive force on said fan blades.

No prior art was found teaching individually, or suggesting in combination, all of the features of the applicants' invention, specifically a fan housing having inner and outer portions, said outer portion adapted to guide said outer coaxial sleeve and said inner portion coupled to said motor winding; said fan blades rotating in response to said motor winding producing an electromotive force on said fan blades in combination with the recited structural limitations of the claimed invention.

Conclusion

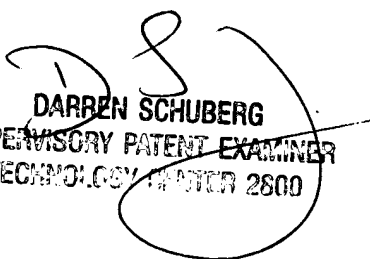
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yahveh Comas whose telephone number is (571)272-2020. The examiner can normally be reached on 8am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

YC


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